MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS, AND RELATED MATERIALS

REPLACES NCPA 1-82

MANUFACTURERS NAME

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DATE OF PREPARATION

1/88

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: 14-F2-10 (BASE)/EC-115 (CURING SOLUTION) Mix Ratio: 1 to 1 by volume

PRODUCT NAME : Gloss White Enamel

PRODUCT CLASS : Epoxy Specification: DPM-110 **V.O.C. 553 GPL**

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	%WT.	OCCUPATIONAL EXPOSURE LIMITS TLV (ACGIH) (ppm)	TLV (ACGIH) mg/cu.m.	PEL (OSHA) (ppm)	PEL (OSHA) mg/cu.m.	VAPOR PRESSURE mm.Hg. @ 20°C
BASE COMPONENT:							
Epoxy Resin		<25	NE		NE		NA
Titanium Dioxide	13463-67-7	<25		5*		15	NA
Xylene	1330-20-7	<10	100		100		21
Methyl Ethyl Ketone	78-93-3	< 5	200		200		75
2 Butoxyethanol	111-76-2	< 5	25		50		.6
CURING SOLUTION:							
Organic Amine Complex		< 5	NE		NE		NA
Toluene	108-88-3	<15	100		200		22
n-Butyl Acetate	71-36-3	<10	50		100		5.5
Methyl Ethyl Ketone	78-93-3	<10	200		200		75
Methyl Isobutyl Ketone	108-10-1	< 5	50		100		40
2 Butoxyethanol	111-76-2	< 5	25		50		.6

NA = Not Applicable NE = Not Established * = Respirable Dust

SECTION III - PHYSICAL DATA

BOILING RANGE 170°F - 340°F VAPOR DENSITY XX HEAVIER _____ LIGHTER THAN AIR

EVAPORATION RATE _____ FASTER XX SLOWER THAN ETHER 60 % VOLATILE VOLUME 9.5 WT/GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION OSHA Class IB FLASH POINT 23 °F .TCC LEL 1.
DOT Paint, Flammable Liquid, (UN1263)

EXTINGUISHING MEDIA: Use NFPA Class B extinguishers.
X FOAM __"ALCOHOL" FOAM X CO2 X DRY CHEMICAL X WATER FOG __ O

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. Self contained breathing apparatus should be worn by firefighters. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIREFIGHTING PROCEDURES: Water spray may be ineffective. If water is used, fog nozzles are preferred. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Can cause irritation to skin, eyes, and respiratory tract. Symptoms may be watering of eyes, dryness of throat, coughing, headache, tightness in ches or burning sensation. Allergic reactions may occur in some individuals. Headache, dizziness or nausea may be experienced by some as a result of exposure to solvents.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Persons with asthmatic type conditions, chronic bronchitis or other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with this product.

PRIMARY ROUTE(S) OF ENTRY: X DERMAL X INHALATION __ INGESTION

EMERGENCY AND FIRST AID PROCEDURES: Eye Contact: Flush with water for 15 minutes. Consult physician. Skin Contact: Wash affected area with soap and water. Remove contaminated clothing. Consult physician. Inhalation: Remove to fresh air. Consult physician. Ingestion; Drink water to dilute. Do not induce vomiting. Consult physician.

SECTION VI - REACTIVITY DATA

STABILITY: __ UNSTABLE X STABLE

HAZARDOUS POLYMERIZATION: __ MAY OCCUR X WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: By fire - CO, CO_2, and nitrogen oxides.

CONDITIONS TO AVOID: Temperature above maximum storage temperature. Avoid exposure to heat, sparks, or open flames.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate non essential personnel. Remove all sources of ignition (sparks, flames, hot surfaces). Ventilate the area. Equip clean up crew with self contained breathing apparatus. Dike spill. Cover with sawdust, vermiculite, Fuller's earth. Collect material in open containers.

WASTE DISPOSAL METHOD

Conform to federal, state, and local regulations. Empty containers must be handled carefully due to product residue and flammable solvent vapor.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: In outdoor or open areas use NIOSH approved mechanical filter respirator. In restricted ventilation areas, use NIOSH approved chemical/mechanical filters to remove vapor and particulates. In confined areas use NIOSH approved air line type respirators or hoods.

VENTILATION: Must be sufficient in volume and pattern to keep contaminant concentration below TLV (NIOSH) or PEL (OSHA).

PROTECTIVE GLOVES: Required, butyl rubber recommended.

EYE PROTECTION: Required. Use goggles, face shields or safety eyewear with sideshields.

OTHER PROTECTIVE EQUIPMENT: Protective creams where skin contact is likely.

HYGIENIC PRACTICES: Wash hands before eating or using bathroom. Remove and wash contaminated clothing before reuse. Wear chemical resistant boots.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 100°F. Store large quantities only in buildings designed to comply with OSHA 1910.106. Keep containers closed and upright to prevent leakage. Do not store or use near heat, sparks, or flames.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with vapor or spray mist during application or curing.